

Amendments to the Claims

The following listing of the claims replaces all previous amendments and listings of the claims.

1. (Previously Presented) A connector for a side plate of a cartridge which removably attaches to an apparatus and contains electronic parts, comprising:

a plug housing including a back face opposing to the side plate of the cartridge of the electronic parts and holding at least one contact;

a cover housing combined with the plug housing; and

a circuit board held by the plug housing, the cover housing and the at least one contact, the circuit board electrically connected to the apparatus via the at least one contact;

wherein the cover housing includes guide grooves configured to guide the plug housing in a sliding motion, and edge sections of the circuit board and edge sections of the plug housing both which are slideable in the guide grooves.

2. (Previously Presented) The connector for a cartridge of electronic parts according to claim 1, wherein the plug housing and the cover housing are combined with each other and are slideable relative to each other in a direction parallel with a surface of the circuit board.

3. (Canceled)

4. (Previously Presented) The connector for a cartridge of electronic parts according to claim 1, wherein the circuit board is connected with the plug housing such that the circuit board covers an open portion of the plug housing thereby forming a closed cross-section with the plug housing.

5. (Previously Presented) The connector for a cartridge of electronic parts according to claim 1, wherein a unit including the plug housing, the circuit board and a contact are unitarily assembled into the cover housing.

6. (Previously Presented) The connector for a cartridge of electronic parts according to claim 5, wherein a forward end of a holding member which holds the circuit board and an exposed end portion of the at least one contact penetrating the circuit board are located on the back face of the plug housing.

7. (Previously Presented) The connector for a cartridge of electronic parts according to claim 6, wherein the cover housing includes a protruding section configured to attach to the cartridge of electronic parts.

8. (Previously Presented) The connector for a cartridge of electronic parts according to claim 1, wherein a lock section is configured to lock both the plug housing and the cover housing, which are combined with each other, and is arranged in a space surrounded by the plug housing and the cover housing.

9. (Original) The connector for a cartridge of electronic parts according to claim 1, wherein the cartridge of electronic parts is a cartridge of toner.

10. (Previously Presented) A connector for a cartridge of electronic parts, which is a plug type connector fixed to a side plate of the cartridge of electronic parts, comprising:

a plug housing including a back face opposing to the side plate of the cartridge of electronic parts;

a cover housing combined with the plug housing; and

a circuit board fixed to the back face and held by both the housing;

wherein the cover housing includes means for attaching to the side plate of the cartridge of electronic parts.

11. (Previously Presented) The connector of claim 10, wherein the cartridge of electronic parts is a cartridge of toner.

12. (Previously Presented) The connector of claim 1, wherein said circuit board includes a memory, and the memory is configured to communicate with the apparatus to obtain updated information related to the cartridge.

13. (Previously Presented) The connector of claim 12, wherein the information includes at least one of an amount of image formation, residual toner quantity, and an ID number.

14. (Previously Presented) The connector of claim 12, wherein said memory is maintained during disconnection of the cartridge to the apparatus.

15. (Currently Amended) A connector system for an image apparatus, comprising:
a cartridge of electronic parts configured to removably attach to the image apparatus;
a plug housing including a back face opposing to ~~the~~ a side plate of the cartridge of electronic parts and holding at least one contact;
a cover housing combined with the plug housing; and
a circuit board held by the plug housing, the cover housing and the contact, the circuit board electrically connected to the apparatus via the contact.

16. (Previously Presented) The connector system of claim 15, wherein the cartridge of electronic parts is a cartridge of toner.

17. (Previously Presented) The connector system of claim 15, wherein said circuit board includes a memory, and the memory is configured to communicate with the apparatus to obtain updated information related to the cartridge.

18. (Previously Presented) The connector system of claim 17, wherein the information includes at least one of an amount of image formation, residual toner quantity, and an ID number.

19. (Previously Presented) The connector system of claim 17, wherein said memory is maintained during disconnection of the cartridge to the apparatus.

20. (Previously Presented) The connector for a cartridge of electronic parts according to claim 5, wherein a forward end of a holding member which holds the circuit board and an exposed end portion of at least one lead penetrating the circuit board terminate on substantially a same face at a rearmost portion of the connector.

21. (Previously Presented) A connector for a side plate of a cartridge which removably attaches to an apparatus and contains electronic parts, comprising:

a plug housing including a back face opposing to the side plate of the cartridge of the electronic parts and holding at least one contact;

a cover housing combined with the plug housing; and

a circuit board held by the plug housing, the cover housing and the at least one contact, the circuit board electrically connected to the apparatus via the at least one contact;

wherein the plug housing and the cover housing are combined with each other and are slideable relative to each other in a direction parallel with a surface of the circuit board.

22. (Previously Presented) A connector for a side plate of a cartridge which removably attaches to an apparatus and contains electronic parts, comprising:

a plug housing including a back face opposing to the side plate of the cartridge of the electronic parts and holding at least one contact;

a cover housing combined with the plug housing; and

a circuit board held by the plug housing, the cover housing and the at least one contact, the circuit board electrically connected to the apparatus via the at least one contact;

wherein a unit including the plug housing, the circuit board and a contact are unitarily assembled into the cover housing;

wherein a forward end of a holding member which holds the circuit board and an exposed end portion of a lead penetrating the circuit board are located on the back face of the plug housing.

23. (Previously Presented) The connector for a cartridge of electronic parts according to claim 22, wherein the cover housing includes a protruding section configured to attach to the cartridge of electronic parts.

24. (Previously Presented) A connector for a side plate of a cartridge which removably attaches to an apparatus and contains electronic parts, comprising:

a plug housing including a back face opposing to the side plate of the cartridge of the electronic parts and holding at least one contact;

a cover housing combined with the plug housing; and

a circuit board held by the plug housing, the cover housing and the at least one contact, the circuit board electrically connected to the apparatus via the at least one contact;

wherein an exposed end of a lead section of the at least one contact penetrating through insertion holes in the circuit board an exposed ends of leads of an IC chip mounted on the circuit board are substantially flush with each other.